



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: GAULDIE, *et al.* Docket No.: ARK-P001(formely GDI-2)
Serial No.: 09/742,892 Group Art Unit: 1635
5 Filed: 12/21/2000 Examiner: SCHNIZER, RICHARD A.
Title: ACNE VACCINE

Commissioner of Patents and Trademarks
Washington, D.C. 20231

10

AMENDMENT

In the Claims:

Please amend claims 1, 11, 20 and 24; claims 2-10, 12-19 and 21-23 are un-amended.

15

1. **(AMENDED)** A vaccine useful in preventing and treating diseases caused by a pathogen capable of infecting, or avoiding destruction by, macrophages, said vaccine comprising at least one vector that comprises at least one nucleotide sequence encoding at least one antigen derived from said pathogen, and wherein said antigen is capable of generating an immune response in a recipient thereof; wherein the vaccine comprises a genetic vaccine utilizing a recombinant vector or modified polypeptides, the vaccine further comprising antigens that do not cause a destructive form of acne.

20

2. **(UN-AMENDED)** The vaccine of claim 1, wherein said pathogen is *P. acnes*, *L. monocytogenes*, *S. typhimurium*, *N. gonorrhoea*, *M. avium*, *M. tuberculosis*, *M. leprae*, *B. abortus*, *C. albicans*; *L. major*, or combinations thereof.

25

3. **(UN-AMENDED)** The vaccine of claim 2, wherein said pathogen is *P. acnes*.

4. **(UN-AMENDED)** The vaccine of claim 1, wherein said vector comprises naked DNA, a recombinant viral vector, or a combination of both.

RECEIVED
APR 14 2003
TECH CENTER 1600/2900

#101
K.T.
4/15
A
w/ Seg.
Affidavit